

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-215379

(43)Date of publication of application : 04.08.2000

(51)Int.Cl.

G08C 19/00

G09C 1/00

H04L 9/08

H04N 1/387

(21)Application number : 11-205709

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(22)Date of filing : 21.07.1999

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(30)Priority

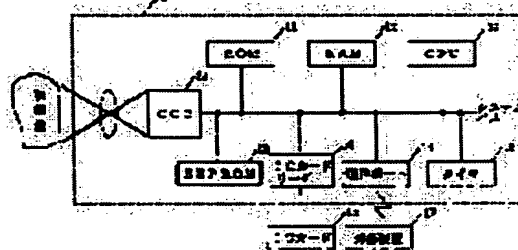
Priority number : 10326215 Priority date : 17.11.1998 Priority country : JP

(54) DIGITAL MEASURING EQUIPMENT AND IMAGE MEASURING EQUIPMENT

(57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a digital measuring equipment capable of improving the reliability and proving ability in the contents of electronic digital data by providing a key generating means for generating a pair of public key and secret key to be used for the electronic signature of a public key enciphering system from a key generation algorithm.

**SOLUTION:** This equipment has a RAM 12 to load various algorithms, secret key, sequence number and external certificate key or the like at need and an EEPROM 14 for storing the secret key, public key certificate, sequence number or external certificate key to be used for the electronic signature of the public key enciphering system. A CPU 19 acquires time data from a timer 18, stores them in the RAM 12, simultaneously acquires photographed image data from a CCD 20 and stores them in the RAM 12. Then, the stored image data are compressed. The sequence number is taken out of the EEPROM 13 and at the same time, a sequence number adding '1' to that sequence number is stored in the EEPROM 13.



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**LEGAL STATUS**

[Date of request for examination] 22.11.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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